EPA Official Record

Mail ID: 793aef09001a43a0b36b84a9662d427b

From: Jetter, James

To: Moss, Jacob; Mitchell, John

Delivered Date: 08/30/2014 02:51 PM EDT

Subject: RE: draft presentation for Administrator

Jacob,

Some solar panel systems sold in the developing world would have enough wattage to power off-grid induction stoves, but the cost would be prohibitive.

For comparison, the BioLite stove produces 2 W (Watts) of DC (direct current).

An induction cooker would require about 1000 W (1 kW) of AC (alternating current).

Wholesale cost of solar panels is about $1 per Watt:
http://www.wholesalesolar.com/solar-panels.html

But induction cookers require AC, so an inverter system would be required. The cost for a 1 kW system (not including a battery bank) is about $6,000:
http://www.wholesalesolar.com/products.folder/systems-folder/OffGridPackages.html

Regards,
Jim

From: Moss, Jacob
Sent: Thursday, August 21, 2014 3:59 PM
To: Mitchell, John; Jetter, James
Subject: RE: draft presentation for Administrator

Jim, in addition to the other points John and you might have discussed, do you have any insight on the basic question of whether or not smaller solar panels sold in the developing world would have enough wattage to power off-grid induction stoves? Have a great trip to China! - Jacob

John, did you get a Desmond bobblehead??

From: Mitchell, John
Sent: Thursday, August 21, 2014 12:42 PM
To: Jetter, James
Cc: Moss, Jacob
Subject: FW: draft presentation for Administrator

Jim,

This is that latest. I will try to call you again in a minute.

John

From: Moss, Jacob
Sent: Thursday, August 21, 2014 12:23 PM
To: Flynn, Mike
Cc: Mitchell, John
Subject: draft presentation for Administrator

Mike – here the draft presentation we discussed. We may want to have more input from ORD, but this is a good start. Let's discuss once you've had a chance to look it over.
Jacob

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